

FIG.1

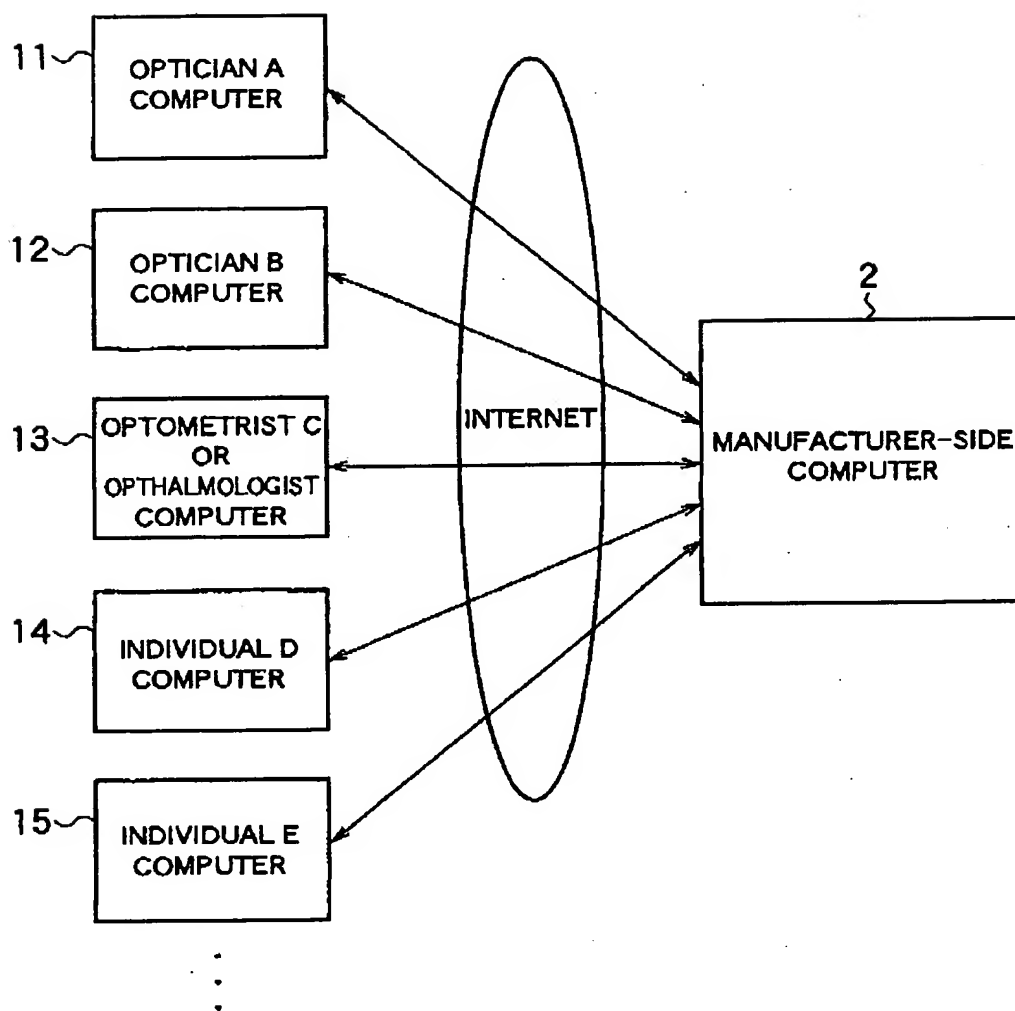
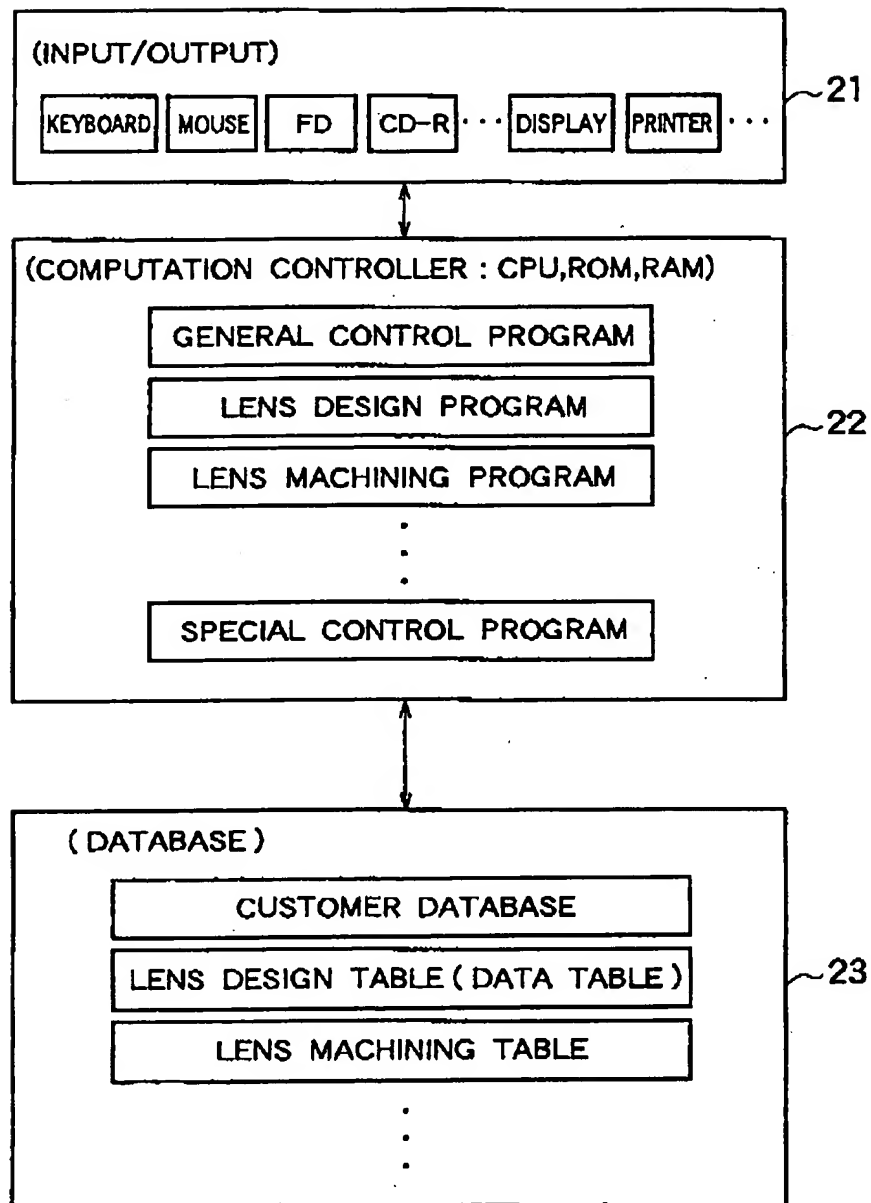




FIG.3

2

## FIG.4

## (a) CUSTOMER PERSONAL DATA

ID	.....
NAME	.....
TELEPHONE NUMBER	.....
ADDRESS	.....
DATE OF BIRTH	.....
AGE	.....
OCCUPATION	.....
HOBBIES	.....
ORDERING LAB	.....
ORDER DATE	.....
OFFICE PLACING ORDER	.....
OFFICE ADDRESS	.....
OFFICE TEL. NUMBER	.....

## (b) PRESCRIPTIONS REGISTERED FOR THE FIRST TIME

CATEGORY	MYOPIA, ASTIGMATISM					
PRIMARY COMPLAINT	PRESCRIPTION NO LONGER FITS					
INTENDED USE	EVERYDAY USE					
NUMBER OF TIMES ORDERED	FIRST TIME					
	SPH	CYL	AXS	ADD	PD	VA
R	-1.00	-0.50	180		32	0.7
L	-1.25	-0.25	5		31	0.6
FRAME NUMBER	123T456		FRAME NAME	HOYA SCOUT MASTER		

FIG. 5

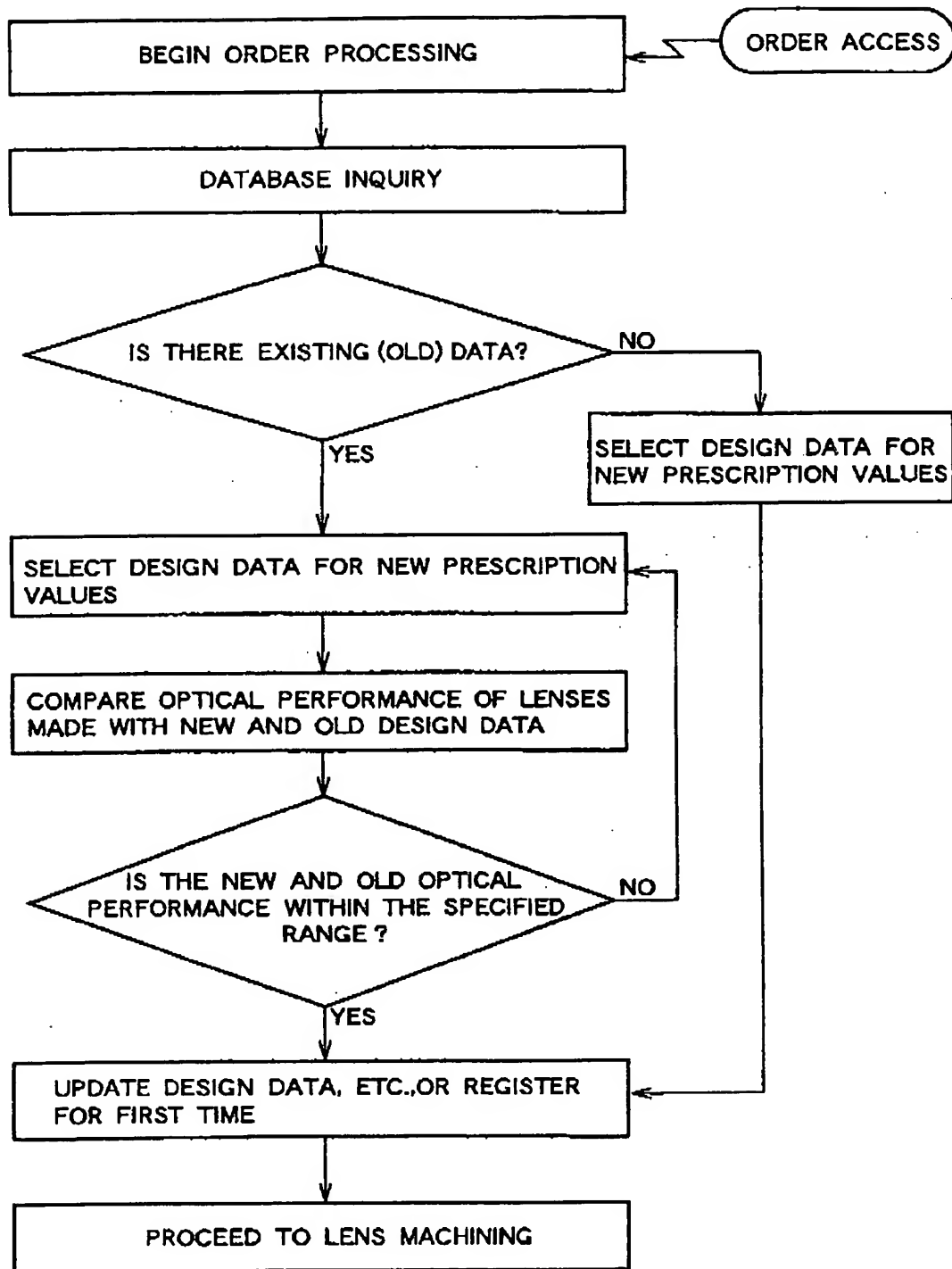


FIG. 6

	-2D
FIRST SURFACE RADIUS OF CURVATURE (mm)	125.333
SECOND SURFACE RADIUS OF CURVATURE (mm)	83.333
CENTER THICKNESS (mm)	1.0
LENS DIAMETER (mm)	70
EDGE THICKNESS (mm)	3.7

FIG. 7

	-4D
FIRST SURFACE RADIUS OF CURVATURE (mm)	167.000
SECOND SURFACE RADIUS OF CURVATURE (mm)	71.429
CENTER THICKNESS (mm)	1.0
LENS DIAMETER (mm)	70
EDGE THICKNESS (mm)	6.8

FIG. 8

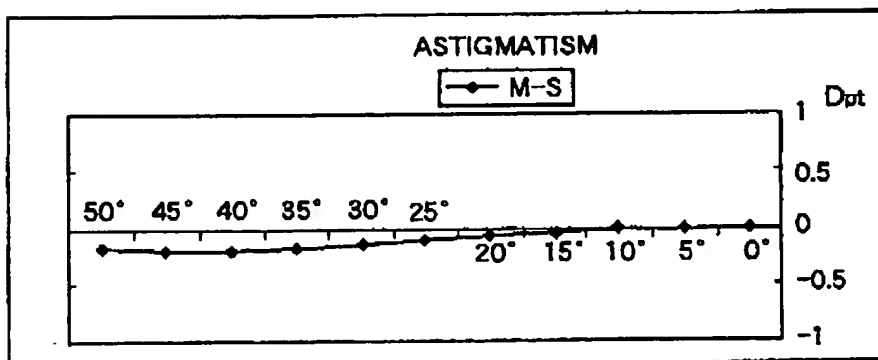


FIG. 9

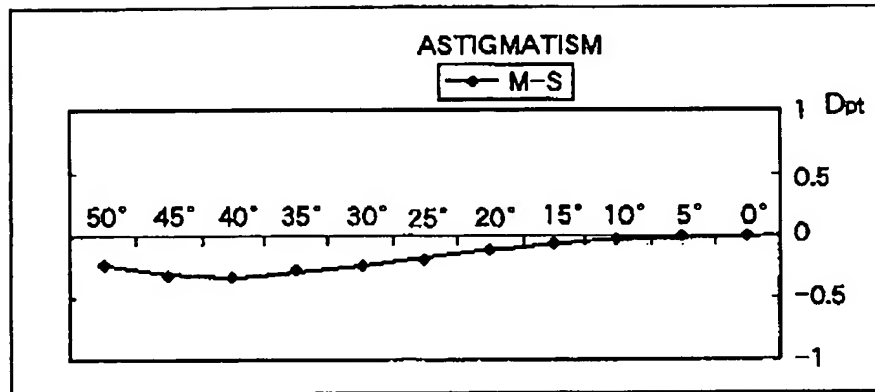


FIG. 10

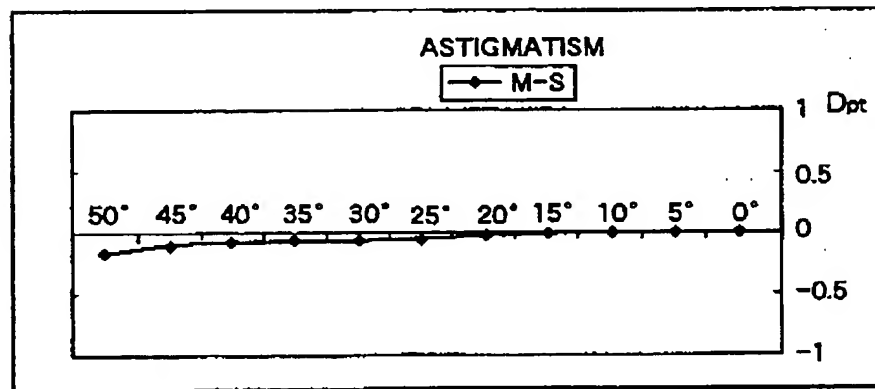


FIG. 11

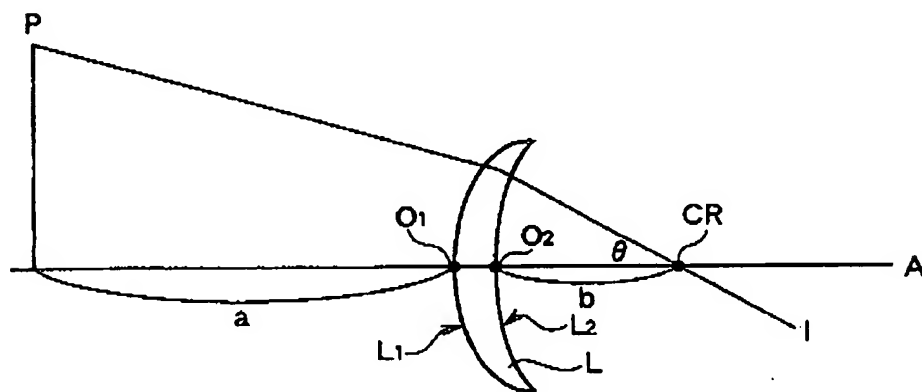


FIG. 12

	-2D
FIRST SURFACE RADIUS OF CURVATURE (mm)	125.333
SECOND SURFACE RADIUS OF CURVATURE (mm)	83.333
CENTER THICKNESS (mm)	1.0
LENS DIAMETER (mm)	70
EDGE THICKNESS (mm)	3.7

FIG. 13

	-4D
FIRST SURFACE RADIUS OF CURVATURE (mm)	167.000
SECOND SURFACE RADIUS OF CURVATURE (mm)	71.429
CENTER THICKNESS (mm)	1.0
LENS DIAMETER (mm)	70
EDGE THICKNESS (mm)	6.3

FIG. 14

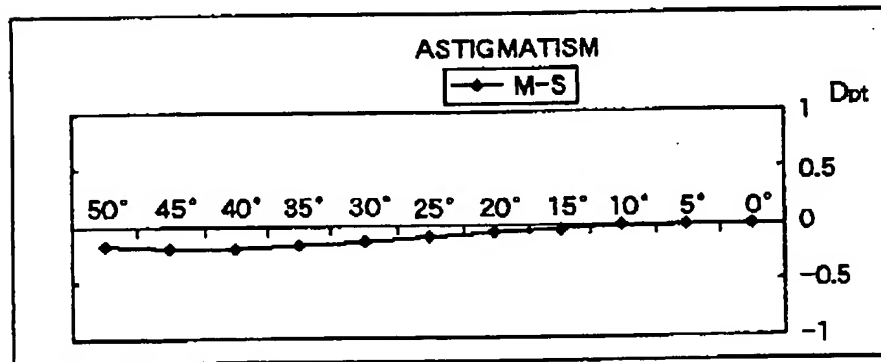




FIG. 15

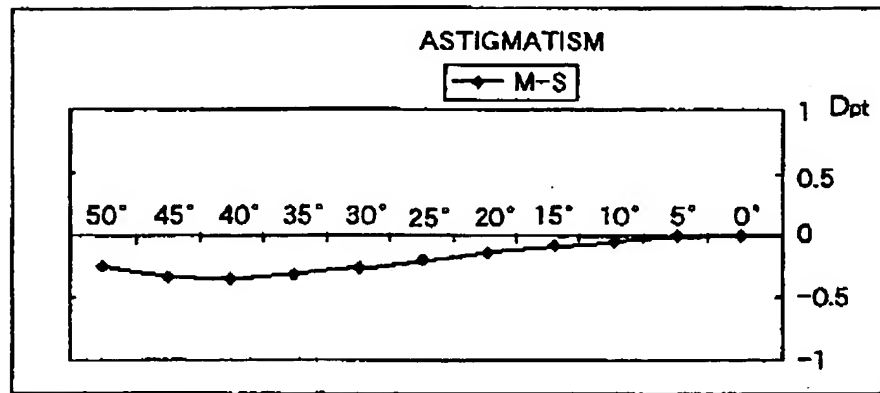


FIG. 16

	-4D
FIRST SURFACE RADIUS OF CURVATURE (mm)	125.647*
SECOND SURFACE RADIUS OF CURVATURE (mm)	62.578
CENTER THICKNESS (mm)	1.0
LENS DIAMETER (mm)	70
EDGE THICKNESS (mm)	6.8

\* : ASPHERICAL SURFACE

FIG. 17

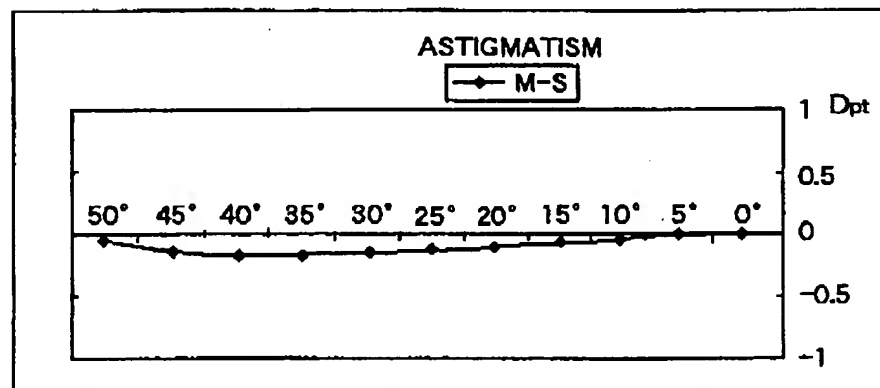


FIG. 18

	-1D	-3D
FIRST SURFACE RADIUS OF CURVATURE (mm)	91.242	117.980
SECOND SURFACE RADIUS OF CURVATURE (mm)	76.923	68.966
CENTER THICKNESS (mm)	1.0	1.0
LENS DIAMETER (mm)	65	65
EDGE THICKNESS (mm)	2.2	4.6
OVERALL HEIGHT (mm)	8.2	9.1

FIG. 19

	-1D
FIRST SURFACE RADIUS OF CURVATURE (mm)	117.980*
SECOND SURFACE RADIUS OF CURVATURE (mm)	95.238
CENTER THICKNESS (mm)	1.0
LENS DIAMETER (mm)	65
EDGE THICKNESS (mm)	2.1
OVERALL HEIGHT (mm)	6.7

\* : ASPHERICAL SURFACE

FIG. 20

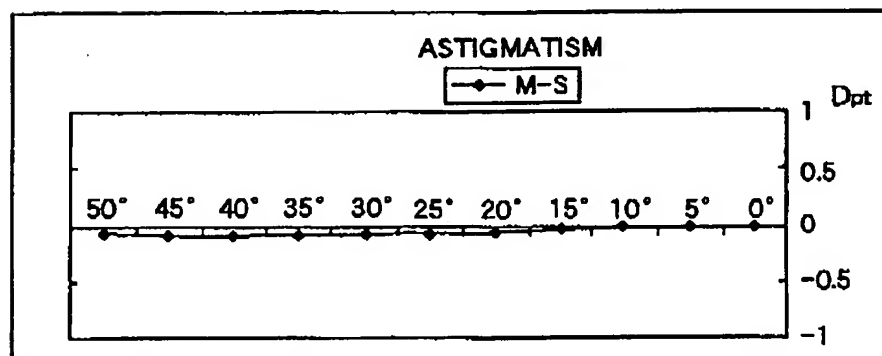


FIG. 21

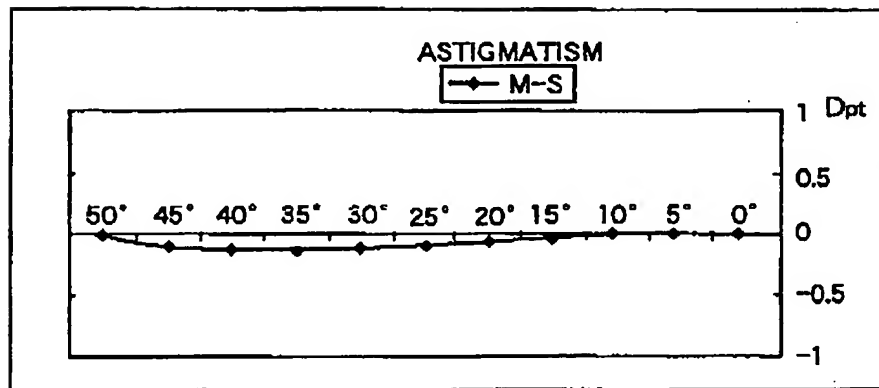


FIG. 22

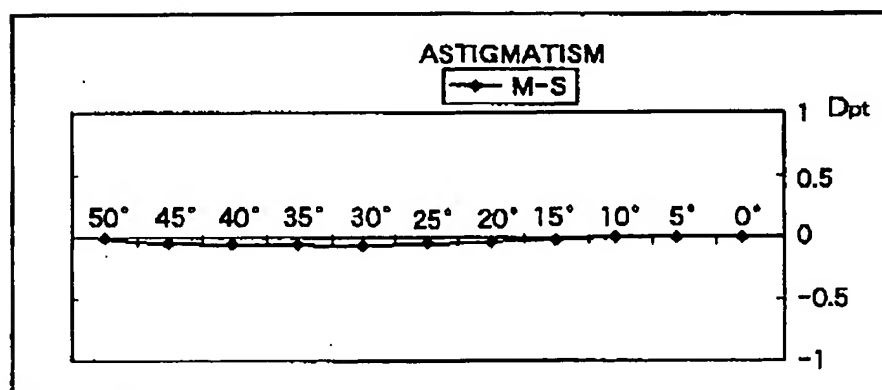
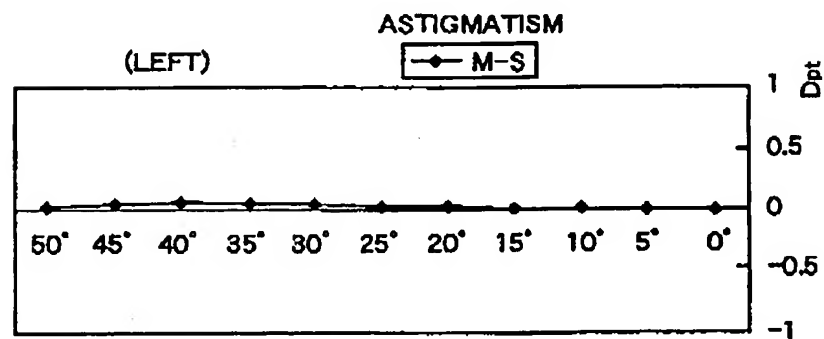


FIG.23

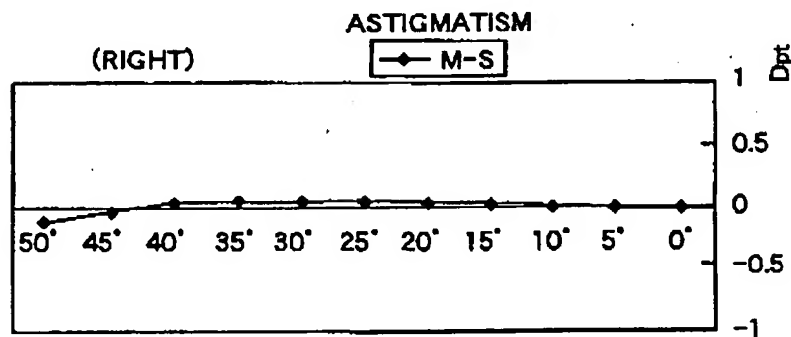
	+1D(left)	+3D(right)
FIRST SURFACE RADIUS OF CURVATURE (mm)	91.609	62.106
SECOND SURFACE RADIUS OF CURVATURE (mm)	111.111	95.238
CENTER THICKNESS (mm)	2.1	4.5
LENS DIAMETER (mm)	65	65
EDGE THICKNESS (mm)	1.0	1.0
OVERALL HEIGHT (mm)	7.0	10.2

(REFRACTIVE INDEX  $n$  OF LENS = 1.5, OBJECT POINT : INFINITY)

FIG.24



(a)



(b)

FIG.25

## AFTER REDESIGN

	+3D(right)
FIRST SURFACE RADIUS OF CURVATURE (mm)	92.242*
SECOND SURFACE RADIUS OF CURVATURE (mm)	200.000
CENTER THICKNESS (mm)	4.0
LENS DIAMETER (mm)	6.5
EDGE THICKNESS (mm)	1.0
OVERALL HEIGHT (mm)	6.7

\* : ASPHERICAL SURFACE

FIG. 26

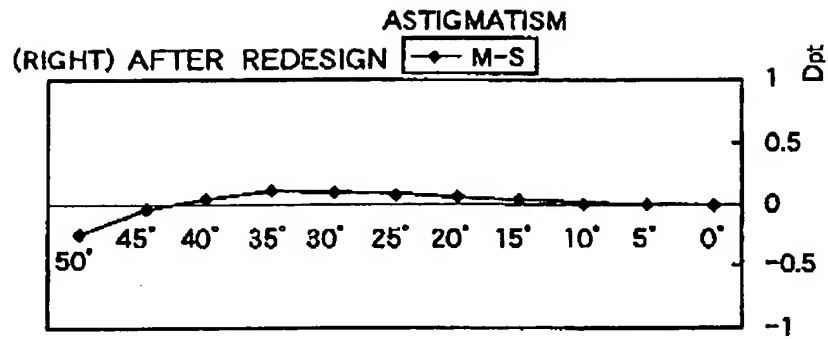


FIG. 27

